ALBA 730, 830

Four-valve, plus rectifier and tuning indicator, four-waveband A.C. superhet in table and radiogram (730) versions. Made by A. J. Balcombe, Ltd., 52–58, Tabernacle Street, London, E.C.2.

Circuit.—The aerial input is through transformer coils, with a common primary on M.W. and L.W. A straightforward arrangement of grid coils with separate reaction coils for each band is used in the oscillator circuit. Iron-dust core I.F. transformers couple the I.F. valve, V2, and double-diode triode, V3. Demodulation and A.V.C. circuits are conventional, and V3 is resistance coupled to V4, the output pentode. V5 is a full-wave rectifier with modulation-hum suppression condensers across the anodes.

V6 is a tuning indicator controlled by the A.V.C. line in the usual way.

Wavebands : 12–35, 30–90, 200–560, 800–2,000 metres. Provision for P.U. and 3-ohm extension speaker.

GANGING

I.F. Circuits.—Adjust at 470 kcs.

M.W. Band.—Trim with T1 and T2 at 250 m., and pad with T3 at 500 m. Repeat operations.

L.W. Band.—Trim with T4 and T5 at 1,300 m., and pad with T6 at 1,900 m. Repeat.

S.W.1 Band.—Trim with T7 and T8 at 25 m. Padding is fixed.

S.W.2 Band.—Trim with T9 and T10 at 50 m. Padding is fixed.

RESISTANCES

R	*Ohms.*	*R*	*Ohms.*
1	1 meg.	14	.5 meg.
2	25,000	15	1,500
3	40,000	16	2,500
4	150	17	15,000
5	.25 meg.	18	.75 meg.
6	25,000	19	50,000
7	40	20	50,000
8	200	21	.25 meg.
9	90,000	22	82
10	300	23	100
11	50,000	24	100
12	.25 meg.	25	.25 meg.
13	.25 meg.	26	.5 meg.

CONDENSERS

C	*Mfds.*	*C*	*Mfds.*
1	5 mmfds.	15	.005
2	.05	16	75 mmfds.
3	25 mmfds.	17	.1
4	.1	18	.25
5	.1	19	.01
6	.0001	20	.02
7	.0001	21	25
8	.1	22	.005
9	25 mmfds.	23	16+16+8
10	.1	24	.02
11	.05	25	.02
12	.1	26	.0001
13	.0001	27	.01
14	.0001	28	.036

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